

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

## 1 Identification

- **Product identifier**
- **Trade name:** W460 MIXING OXIDE RED
- **Article number:** W460
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
General Paint Co. SAL  
P.O. Box 7623  
Beirut  
LEBANON  
info@hymax.biz
- **Information department:** Product Safety Department
- **Emergency telephone number:** During normal opening times:1-800-535-5053

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Flam. Liq. 4 H227 Combustible liquid.

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- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**  
Combustible liquid.
- **Precautionary statements**  
Keep away from flames and hot surfaces. – No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.  
In case of fire: Use for extinction: CO2, powder or water spray.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

|          |                 |           |
|----------|-----------------|-----------|
| 111-76-2 | 2-butoxyethanol | >2.5-≤10% |
| 67-63-0  | propan-2-ol     | ≤2.5%     |

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.

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- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

• **PAC-1:**

|           |                        |                       |
|-----------|------------------------|-----------------------|
| 111-76-2  | 2-butoxyethanol        | 60 ppm                |
| 67-63-0   | propan-2-ol            | 400 ppm               |
| 108-01-0  | 2-dimethylaminoethanol | 3.7 ppm               |
| 140-88-5  | ethyl acrylate         | 8.3 ppm               |
| 104-76-7  | 2-Ethyl-1-hexanol      | 0.1 ppm               |
| 7447-41-8 | lithium chloride       | 2.3 mg/m <sup>3</sup> |

• **PAC-2:**

|           |                        |                      |
|-----------|------------------------|----------------------|
| 111-76-2  | 2-butoxyethanol        | 120 ppm              |
| 67-63-0   | propan-2-ol            | 2000* ppm            |
| 108-01-0  | 2-dimethylaminoethanol | 40 ppm               |
| 140-88-5  | ethyl acrylate         | 36 ppm               |
| 104-76-7  | 2-Ethyl-1-hexanol      | 100 ppm              |
| 7447-41-8 | lithium chloride       | 25 mg/m <sup>3</sup> |

• **PAC-3:**

|           |                        |                       |
|-----------|------------------------|-----------------------|
| 111-76-2  | 2-butoxyethanol        | 700 ppm               |
| 67-63-0   | propan-2-ol            | 12000** ppm           |
| 108-01-0  | 2-dimethylaminoethanol | 72 ppm                |
| 140-88-5  | ethyl acrylate         | 240 ppm               |
| 104-76-7  | 2-Ethyl-1-hexanol      | 200 ppm               |
| 7447-41-8 | lithium chloride       | 150 mg/m <sup>3</sup> |

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.

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- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

### · Components with limit values that require monitoring at the workplace:

#### 111-76-2 2-butoxyethanol

|     |   |
|-----|---|
| PEL | Long-term value: 240 mg/m <sup>3</sup> , 50 ppm<br>Skin |
| REL | Long-term value: 24 mg/m <sup>3</sup> , 5 ppm<br>Skin   |
| TLV | Long-term value: 97 mg/m <sup>3</sup> , 20 ppm<br>BEI   |

#### 67-63-0 propan-2-ol

|     |  |
|-----|--|
| PEL | Long-term value: 980 mg/m <sup>3</sup> , 400 ppm   |
| REL | Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 980 mg/m <sup>3</sup> , 400 ppm       |
| TLV | Short-term value: 984 mg/m <sup>3</sup> , 400 ppm<br>Long-term value: 492 mg/m <sup>3</sup> , 200 ppm<br>BEI |

### · Ingredients with biological limit values:

#### 111-76-2 2-butoxyethanol

|     |  |
|-----|--|
| BEI | 200 mg/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Butoxyacetic acid with hydrolysis |
|-----|--|

#### 67-63-0 propan-2-ol

|     |   |
|-----|---|
| BEI | 40 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Acetone (background, nonspecific) |
|-----|---|

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- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** *Wash hands before breaks and at the end of work.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:**



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves**  
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Goggles recommended during refilling.*

**9 Physical and chemical properties**

|  |                                  |
|--|----------------------------------|
| · <b>Information on basic physical and chemical properties</b> |                                  |
| · <b>General Information</b>                                   |                                  |
| · <b>Appearance:</b>   |                                  |
| Form:  | Fluid                            |
| Color:   | According to product description |
| · <b>Odor:</b> Characteristic                                  |                                  |
| · <b>Odor threshold:</b> Not determined.                       |                                  |
| · <b>pH-value:</b> Not determined.                             |                                  |
| · <b>Change in condition</b>                                   |                                  |
| Melting point/Melting range:                                   | Undetermined.                    |
| Boiling point/Boiling range:                                   | 100 °C (212 °F)                  |
| · <b>Flash point:</b> 68 °C (154.4 °F)                         |                                  |

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|   |   |
|---|---|
| · <b>Flammability (solid, gaseous):</b>           | Not applicable.                             |
| · <b>Ignition temperature:</b>                    | 240 °C (464 °F)                             |
| · <b>Decomposition temperature:</b>               | Not determined.                             |
| · <b>Auto igniting:</b>                           | Product is not selfigniting.                |
| · <b>Danger of explosion:</b>                     | Not determined.                             |
| · <b>Explosion limits:</b>                        |   |
| <b>Lower:</b>                                     | Not determined.                             |
| <b>Upper:</b>                                     | Not determined.                             |
| · <b>Vapor pressure at 20 °C (68 °F):</b>         | 23 hPa (17.3 mm Hg)                         |
| · <b>Density at 20 °C (68 °F):</b>                | 1.05322 g/cm <sup>3</sup> (8.78912 lbs/gal) |
| · <b>Relative density</b>                         | Not determined.                             |
| · <b>Vapor density</b>                            | Not determined.                             |
| · <b>Evaporation rate</b>                         | Not determined.                             |
| · <b>Solubility in / Miscibility with Water:</b>  | Not miscible or difficult to mix.           |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                             |
| · <b>Viscosity:</b>                               |   |
| <b>Dynamic:</b>                                   | Not determined.                             |
| <b>Kinematic:</b>                                 | Not determined.                             |
| · <b>Solvent content:</b>                         |   |
| <b>Organic solvents:</b>                          | 8.8 %                                       |
| <b>Water:</b>                                     | 64.5 %                                      |
| <b>Coating VOC content:</b>                       | 8.78 %                                      |
| <b>Material VOC content:</b>                      | 288.4 g/l / 2.41 lb/gal                     |
| <b>Material VOC content:</b>                      | 92.5 g/l / 0.77 lb/gal                      |
| · <b>Solids content:</b>                          | 25.7 %                                      |
| · <b>Other information</b>                        | No further relevant information available.  |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.

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- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

|          |                 |    |
|----------|-----------------|----|
| 111-76-2 | 2-butoxyethanol | 3  |
| 67-63-0  | propan-2-ol     | 3  |
| 140-88-5 | ethyl acrylate  | 2B |

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available. (Contd. of page 7)

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

|  |                 |
|--|-----------------|
| · <b>UN-Number</b>   | NOT APPLICABLE  |
| · <b>UN proper shipping name</b>   | NOT APPLICABLE  |
| · <b>Transport hazard class(es)</b>  | NOT APPLICABLE  |
| · <b>Packing group</b>   | NOT APPLICABLE  |
| · <b>Environmental hazards:</b>  |                 |
| · <b>Marine pollutant:</b>   | No              |
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**  
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

|          |                 |
|----------|-----------------|
| 111-76-2 | 2-butoxyethanol |
| 67-63-0  | propan-2-ol     |
| 140-88-5 | ethyl acrylate  |

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· **TSCA (Toxic Substances Control Act):**

|           |   |        |
|-----------|---|--------|
| 111-76-2  | 2-butoxyethanol                                     | ACTIVE |
| 67-63-0   | propan-2-ol   | ACTIVE |
| 108-01-0  | 2-dimethylaminoethanol                              | ACTIVE |
| 140-88-5  | ethyl acrylate                                      | ACTIVE |
| 104-76-7  | 2-Ethyl-1-hexanol                                   | ACTIVE |
| 7447-41-8 | lithium chloride                                    | ACTIVE |
| 7732-18-5 | water, distilled, conductivity or of similar purity | ACTIVE |

· **Hazardous Air Pollutants**

|          |                |
|----------|----------------|
| 140-88-5 | ethyl acrylate |
|----------|----------------|

· **Proposition 65**

· **Chemicals known to cause cancer:**

|          |                |
|----------|----------------|
| 140-88-5 | ethyl acrylate |
|----------|----------------|

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

|          |                 |    |
|----------|-----------------|----|
| 111-76-2 | 2-butoxyethanol | NL |
|----------|-----------------|----|

· **TLV (Threshold Limit Value established by ACGIH)**

|          |                 |    |
|----------|-----------------|----|
| 111-76-2 | 2-butoxyethanol | A3 |
| 67-63-0  | propan-2-ol     | A4 |
| 140-88-5 | ethyl acrylate  | A4 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

|          |                |
|----------|----------------|
| 140-88-5 | ethyl acrylate |
|----------|----------------|

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** Void

· **Signal word** Warning

· **Hazard statements**

Combustible liquid.

· **Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

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*In case of fire: Use for extinction: CO2, powder or water spray.*

*Store in a well-ventilated place. Keep cool.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing SDS:** Product safety department

· **Contact:** N/A

· **Date of preparation / last revision** 05/06/2019 / -

· **Abbreviations and acronyms:**

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEL: Biological Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4